

## TYPO3.Flow - Bug # 37357

Task # 55953 (New): Repair and streamline ValueObject support

<b>Status:</b>	Resolved	<b>Priority:</b>	Should have
<b>Author:</b>	Adrian Föder	<b>Category:</b>	Persistence
<b>Created:</b>	2012-05-21	<b>Assigned To:</b>	Adrian Föder
<b>Updated:</b>	2015-02-16	<b>Due date:</b>	
<b>PHP Version:</b>			
<b>Has patch:</b>	Yes		
<b>Complexity:</b>	easy		
<b>Affected Flow version:</b> (any)			
<b>Subject:</b>	more suitable ValueObject hash creation for DateTime cases		
<b>Description</b>			
<p>currently, DateTime objects are only represented by their ("unix-") Timestamp, which may result in unpredictable behavior when server time (zone) or Daylight Saving Time changes.</p> <p>An RFC850 formatted date seems to be more appropriate, it says e.g. Monday, 15-Aug-05 15:52:01 UTC or Monday, 21-May-12 14:19:41 CEST (note the <b>s</b> in CEST that indicates summer time).</p> <p>Otherwise, both, for example, British Summer Time (+01:00) and Central European Time (non-summer) would be +01:00, but representing very different actual Dates.</p>			

### Associated revisions

#### Revision 2d6a0dfd - 2015-02-15 18:26 - Philipp Maier

[!!!][BUGFIX] Generate Value Object hash from property values

This changes the Value Objects' hash generation algorithm to use the actual properties of the Value Object, not only the constructor arguments which lead to duplicate hashes in cases where arguments were empty.

Furthermore the initial approach disregarded everything that can be done within the constructor (such as trimming, calculations, etc.).

This patch delays the generation of the value hash to just after instantiation, where the Value Object is completely initialized. The final object properties names and values are then hashed.

Additionally, the handling of DateTime objects has been improved. The generated ValueHash now also includes information about the timezone.

This **might** be breaking in the unlikely case where the initial hash calculation leads to the same hash as the new calculation, for different VOs. Besides, it might lead to duplicate VOs in the database because the "same" VO can become a new hash due to the changed hashing algorithm.

Change-Id: Iaf4d2a28bcd8fc5bf2c749f8021171456616e45c

Fixes: #51236  
Fixes: #37357  
Releases: master

## History

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### #1 - 2012-05-21 14:31 - Gerrit Code Review

- Status changed from New to Under Review

Patch set 1 for branch **master** has been pushed to the review server.

It is available at <http://review.typo3.org/11368>

### #2 - 2012-05-21 16:40 - Karsten Dambekalns

- Target version changed from 1.1 beta 2 to 2.0 beta 1

### #3 - 2012-07-31 09:58 - Gerrit Code Review

Patch set 2 for branch **master** has been pushed to the review server.

It is available at <http://review.typo3.org/11368>

### #4 - 2012-12-10 13:10 - Karsten Dambekalns

- Target version changed from 2.0 beta 1 to 2.1

- Affected Flow version changed from Git master to (any)

### #5 - 2012-12-18 18:10 - Gerrit Code Review

Patch set 3 for branch **master** has been pushed to the review server.

It is available at <https://review.typo3.org/11368>

### #6 - 2012-12-18 18:14 - Gerrit Code Review

Patch set 4 for branch **master** has been pushed to the review server.

It is available at <https://review.typo3.org/11368>

### #7 - 2013-05-21 13:28 - Robert Lemke

- Target version deleted (2.1)

### #8 - 2013-08-22 15:24 - Gerrit Code Review

Patch set 3 for branch **master** has been pushed to the review server.

It is available at <https://review.typo3.org/23241>

### #9 - 2013-08-22 15:28 - Gerrit Code Review

Patch set 4 for branch **master** has been pushed to the review server.

It is available at <https://review.typo3.org/23241>

**#10 - 2013-09-25 23:54 - Gerrit Code Review**

Patch set 5 for branch **master** has been pushed to the review server.

It is available at <https://review.typo3.org/23241>

**#11 - 2013-10-14 23:09 - Gerrit Code Review**

Patch set 6 for branch **master** has been pushed to the review server.

It is available at <https://review.typo3.org/23241>

**#12 - 2014-02-13 11:16 - Adrian Förder**

- Parent task set to #55953

**#13 - 2014-02-24 14:02 - Gerrit Code Review**

Patch set 7 for branch **master** of project **Packages/TYPO3.Flow** has been pushed to the review server.

It is available at <https://review.typo3.org/23241>

**#14 - 2015-01-09 18:51 - Gerrit Code Review**

Patch set 8 for branch **master** of project **Packages/TYPO3.Flow** has been pushed to the review server.

It is available at <http://review.typo3.org/23241>

**#15 - 2015-01-09 18:54 - Gerrit Code Review**

Patch set 9 for branch **master** of project **Packages/TYPO3.Flow** has been pushed to the review server.

It is available at <http://review.typo3.org/23241>

**#16 - 2015-02-14 11:54 - Gerrit Code Review**

Patch set 10 for branch **master** of project **Packages/TYPO3.Flow** has been pushed to the review server.

It is available at <http://review.typo3.org/23241>

**#17 - 2015-02-15 11:57 - Gerrit Code Review**

Patch set 11 for branch **master** of project **Packages/TYPO3.Flow** has been pushed to the review server.

It is available at <http://review.typo3.org/23241>

**#18 - 2015-02-15 17:40 - Gerrit Code Review**

Patch set 12 for branch **master** of project **Packages/TYPO3.Flow** has been pushed to the review server.

It is available at <http://review.typo3.org/23241>

**#19 - 2015-02-15 18:26 - Gerrit Code Review**

Patch set 13 for branch **master** of project **Packages/TYPO3.Flow** has been pushed to the review server.  
It is available at <http://review.typo3.org/23241>

**#20 - 2015-02-16 00:30 - Philipp Maier**

- *Status changed from Under Review to Resolved*
- *% Done changed from 0 to 100*

Applied in changeset commit:2d6a0dfdadd82877c210abead884cec55805ce16.